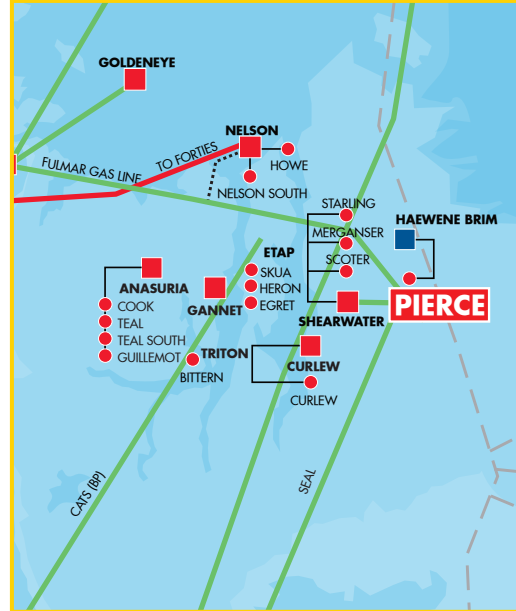




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The Haewene Brim is a purpose built, double hull Floating Production Storage and Offtake vessel (FPSO). Bluewater Energy Services are the duty holder of this facility. It is located in licence blocks 23/22a and 23/27a.

The purpose of the FPSO is the extraction, processing, storage and offloading of crude oil from the Pierce North and South fields. The FPSO extracts crude oil via subsea wells, processes the crude and stores it in cargo tanks prior to offloading to a shuttle tanker. Produced gas is compressed and dried for gas reinjection.

There is also a subsea tie-back being developed known as Brynhild - operated by Lundin Petroleum. The Field is located in the Norwegian sector of the North Sea.

KEY FACTS

Block	23/22a & 23/27a
Sector	Central North Sea
Approx distance to land	265km (165 miles) East of Aberdeen
Water Depth	262ft (85m)
Hydrocarbons Produced	Oil
Export Method	Oil offloaded from FPSO to tanker
Operated / Non-Operated	Operated

INFRASTRUCTURE INFORMATION

Entry Specification:	Sweet crude oil and associated gas. 2 mol% CO ₂ , H ₂ S<5ppm.
Exit Specification:	BS&W: 0.5% Vol, Re-injection gas: 5000 psi, Water Injection: 95kbbls/d @ 5000 psi, oil storage 600 kbbls.
Outline details of Primary separation processing facilities:	Production Manifolds, Subsea flowlines, Crude oil heater. 1st and 2nd stage separation, test separator. 2x 100% crude oil heaters, 3 x 50% crude oil export pumps.
Outline details of gas treatment facilities:	Production Manifolds, Subsea flowlines, Crude oil heater. 1st and 2nd stage separation, test separator. 2x 100% crude oil heaters, 3 x 50% crude oil export pumps.

HIGH LEVEL CAPACITY INFORMATION

The basic capacity information is portrayed by colour coded 'traffic lights' that reflect thresholds of availability over the next 5 years

Available Capacities



Pierce firm processing capacity available	Ullage as % of system capacity					Comment
	2018	2019	2020	2021	2022	
Oil export capacity - 60kbbls/d	Green	Green	Green	Green	Green	Tanker loading, no export pipeline
Gas compression capacity - 116MMscf/d	Red	Red	Red	Red	Red	All gas currently injected or used for gas lift
Gas export capacity - N/A	White	White	White	White	White	
Gas lift capacity - N/A	Green	Green	Green	Green	Green	All gas currently injected or used for gas lift
Produced water handling capacity - 40kbbls/d	Green	Green	Green	Green	Green	
Dehydration capacity - 116 MMscf/d	Green	Green	Green	Green	Green	For gas injection
H ₂ S removal capacity - N/A	White	White	White	White	White	
Water injection capacity - 95kbbls/d	Green	Green	Green	Green	Green	

CONTACT INFORMATION

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